

Native Human MMP-2/TIMP-2 Complex

Cat. No. MMP2-47H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Matrix Metalloproteinase 2 (MMP-2, Gelatinase A, 72 kDa Type IV Collagenase, EC 3.4.24.24) prepared from human fibroblasts
Species	Human
Source	Human Fibroblasts
Form	Liquid, in 50 mM Tris/HCl, pH 7.0, 200 mM NaCl, 5 mM CaCl ₂ , 1 μM ZnCl ₂ , 0.05% NaN ₃ , 0.05% Brij 35
Purity	>95%, homogenous by electrophoresis and Western Blotting analysis
Storage	If stored at -70°C. The enzyme can be kept at -20°C for several weeks without significant loss of activity. Repeated freezing and thawing must be avoided. Do always keep the enzyme on ice. If kept at room temperature for hours without substrate the enzyme loses significant activity!

GENE INFORMATION

Gene Name	MMP2 matrix metalloproteinase 2 (gelatinase A, 72kDa gelatinase, 72kDa type IV collagenase) [Homo sapiens]
Official Symbol	MMP2
Synonyms	MMP2; matrix metalloproteinase 2 (gelatinase A, 72kDa gelatinase, 72kDa type IV

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

collagenase); CLG4, CLG4A, matrix metalloproteinase 2 (gelatinase A, 72kD gelatinase, 72kD type IV collagenase) , matrix metalloproteinase 2 (gelatinase A, 72kDa gelatinase, 72kDa type IV collagenase); 72 kDa type IV collagenase; TBE 1; MMP-2; gelatinase A; 72 kDa gelatinase; collagenase type IV-A; neutrophil gelatinase; matrix metalloproteinase-2; matrix metalloproteinase-II; CLG4; MONA; CLG4A; TBE-1; MMP-II;

Gene ID	4313
mRNA Refseq	NM_001127891
Protein Refseq	NP_001121363
MIM	120360
UniProt ID	P08253
Chromosome Location	16q13-q21
Pathway	ATF-2 transcription factor network, organism-specific biosystem; Activation of Matrix Metalloproteinases, organism-specific biosystem; Angiopoietin receptor Tie2-mediated signaling, organism-specific biosystem; Bladder cancer, organism-specific biosystem; Bladder cancer, conserved biosystem; Degradation of the extracellular matrix, organism-specific biosystem; Diabetes pathways, organism-specific biosystem;
Function	metal ion binding; metalloendopeptidase activity; peptidase activity; zinc ion binding;